

U.S. ENVIRONMENTAL PROTECTION AGENCY  
 POLLUTION/SITUATION REPORT  
 Skull Creek Spill - Removal Polrep  
 Initial and Final Removal Polrep



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
 Region IV

**Subject:** POLREP #1  
 Initial / Final  
 Skull Creek Spill  
 B45P  
 Hilton Head Island, SC

**To:** James Webster, USEPA R4 ERRB  
 Paul Lee, DHEC

**From:** Jordan Garrard, OSC

**Date:** 1/26/2015

**Reporting Period:**

**1. Introduction**

**1.1 Background**

<b>Site Number:</b>	B45P	<b>Contract Number:</b>	
<b>D.O. Number:</b>		<b>Action Memo Date:</b>	
<b>Response Authority:</b>	CERCLA	<b>Response Type:</b>	Emergency
<b>Response Lead:</b>	PRP	<b>Incident Category:</b>	Removal Assessment
<b>NPL Status:</b>	Non NPL	<b>Operable Unit:</b>	
<b>Mobilization Date:</b>	1/23/2015	<b>Start Date:</b>	1/23/2015
<b>Demob Date:</b>	1/24/2015	<b>Completion Date:</b>	1/24/2015
<b>CERCLIS ID:</b>		<b>RCRIS ID:</b>	
<b>ERNS No.:</b>		<b>State Notification:</b>	
<b>FPN#:</b>		<b>Reimbursable Account #:</b>	

**1.1.1 Incident Category**

Emergency

**1.1.2 Site Description**

A private marina along Skull Creek.

**1.1.2.1 Location**

Skull Creek Marina  
 1 Waterway Lane  
 Hilton Head, SC

**1.1.2.2 Description of Threat**

Unknown material floating in and around Skull Creek and the Skull Creek Marina.

### 1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

## 2. Current Activities

### 2.1 Operations Section

#### 2.1.1 Narrative

A caller reported a sheen of unknown origin and composition in Skull Creek and in Skull Creek Marina in Hilton Head SC.

EPA Phone Duty Made contact with Joel Hansel and was referred to David Payne of SCDHEC and USCG. Both SCDHEC and USCG have not been able to successfully test the material to determine its composition but they have determined it is not oil. It is being described as a sheen that congeals into a resin when touched. They have requested EPA assistance with testing the material to determine its composition. EPA and Superfund Technical Assessment and Response Team (START) have deployed to the Site to test the material.

#### 2.1.2 Response Actions to Date

Upon arrival OSC Garrard met with officials from the USCG and SCDECH. OSC Garrard observed sheen and film floating around the docks of the Skull Creek Marina. When the film was agitated, it began forming white fibrous material. Samples were collected of the white fibrous material in multiple locations around Skull Creek Marina. While investigating response personnel noticed a gasoline odor at the end of the fuel lines. Skull Creek Marina personnel began removing cover plates along the fuel lines and a discharge from the gasoline line was observed. The pin hole leak was observed at a coupler on the metal gasoline line. Skull Creek personnel initiated oil spill response protocol. The fuel line was shut down and absorbent pads and booms were placed along the fuel line and dock. USCG provided the OSC for the fuel spill since the spill was located in the coastal zone. Samples collected of the white fibrous unknown material were analyzed by OSC Garrard and START personnel with a HazMat ID using Fourier-transform Infrared Spectroscopy (FT-IR). The HazMat ID identified the unknown material multiple times as polystyrene. Based on the results of the HazMat ID and the observed fuel spill, it is thought the spill gasoline was migrating through the dock and dissolving the polystyrene dock floats which were encased in concrete and then floating to the surface of the water forming the white fibrous material. OSC Garrard and START personnel demobilized and the USCG continued to provide oversight of fuel spill.

#### 2.1.3 Enforcement Activities, Identity of Potentially Responsible Parties (PRPs)

Skull Creek Marina  
1 Waterway Lane  
Hilton Head, South Carolina

#### 2.1.4 Progress Metrics

<i>Waste Stream</i>	<i>Medium</i>	<i>Quantity</i>	<i>Manifest #</i>	<i>Treatment</i>	<i>Disposal</i>

### 2.2 Planning Section

No information available at this time.

### 2.3 Logistics Section

No information available at this time.

### 2.4 Finance Section

**Estimated Costs \***

	Budgeted	Total To Date	Remaining	% Remaining
<b>Extramural Costs</b>				
TAT/START	\$10,000.00	\$0.00	\$10,000.00	100.00%
<b>Intramural Costs</b>				
<b>Total Site Costs</b>	\$10,000.00	\$0.00	\$10,000.00	100.00%

\* The above accounting of expenditures is an estimate based on figures known to the OSC at the time this report was written. The OSC does not necessarily receive specific figures on final payments made to any contractor(s). Other financial data which the OSC must rely upon may not be entirely up-to-date. The cost accounting provided in this report does not necessarily represent an exact monetary figure which the government may include in any claim for cost recovery.

**2.5 Other Command Staff**

No information available at this time.

**3. Participating Entities****3.1 Unified Command****3.2 Cooperating Agencies**

SCDECH  
USCG

**4. Personnel On Site**

EPA  
START TTEMI  
USCG  
SCDECH

**5. Definition of Terms**

No information available at this time.

**6. Additional sources of information**

No information available at this time.

**7. Situational Reference Materials**

No information available at this time.